Federal Communications Commission (FCC) Experimental Licensing System – Program Experimental License

User Manual Prepared for:

Federal Communications Commission Office of Engineering Technology

October 2016



Completing an Application for Program Experimental License (Form 442)

Program Experimental License: This type of license is issued to qualified institutions to conduct an ongoing program of research and experimentation, under a single experimental authorization subject to the requirements of subpart E of Part 5 of the FCC's rules. Program experimental radio licenses are available to colleges, universities, research laboratories, manufacturers of radio frequency equipment, manufacturers that integrate radio frequency equipment into their end products, and medical research institutions.

To apply for Program Experimental License, select the Form 442 hyperlink. The following page appears.



Exhibit 1-1: Landing Page for Experimental Licenses (Form 442)

Field	Definition				
Experimental License Types:					
Conventional Experimental License Conventional Experimental License is an option for applicants to apply, if they					
	do not qualify for the following three license types.				
Program Experimental License	tal License This type of license is issued to qualified institutions to conduct an ongoing				
	program of research and experimentation, under a single experimental				
	authorization subject to the requirements of subpart E of Part 5 of the FCC's				
	rules. Program experimental radio licenses are available to colleges,				
	universities, research laboratories, manufacturers of radio frequency				
	equipment, manufacturers that integrate radio frequency equipment into				
	their end products, and medical research institutions.				
Medical Testing License	This type of license is issued to hospitals and health care institutions that				
	demonstrate expertise in testing and operation of experimental medical				
	devices that use wireless telecommunications technology or				
	communications functions in clinical trials for diagnosis, treatment or patient				
	monitoring.				
Compliance Testing License	se This type of license is issued to laboratories recognized by the FCC to				
	perform: (i) Product testing of radio frequency equipment, and (ii) Testing				
	of radio frequency equipment in an Open Area Test Site.				

Please note: The following screen shots apply to *Program Experimental* License.

Click on the second link, Program Experimental License, the following page opens up:

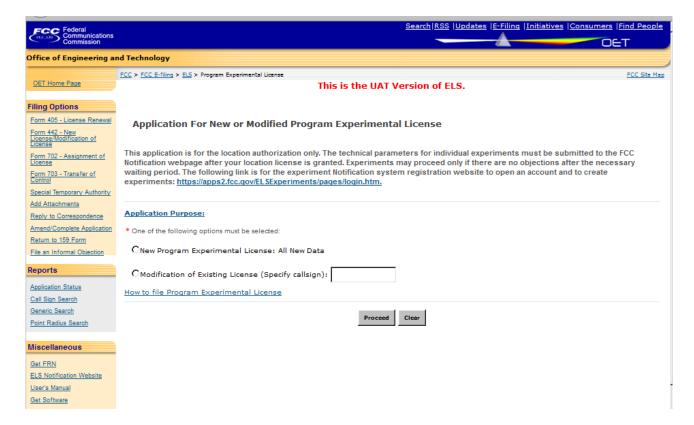


Exhibit 1-2: Application for Program Experimental License

Please indicate if this is for a new program or an existing one?

Federal Communications Commission			Search RSS Updates E-Filing Init	tiatives Consumers
Office of Engineering a	nd Technology			
	FCC > FCC E-filing > ELS > Program Experimental L			Ī
OET Home Page		This is the UAT Version of	ELS.	
Filing Options Form 405 - License Renewal	Application for Program Experin	nental License		
Form 442 - New License/Modification of License	* - Indicates that this field must be completed befo	ore this page can be submitted.		
Form 702 - Assignment of License Form 703 - Transfer of	*Applicant's FCC Registration Number (FRN):			
Control Special Temporary Authority	*Applicant (Company) Name:			
Add Attachments Reply to Correspondence	*Attention To:			
Amend/Complete Application	*Street Address (If no P.O. Box):			
Return to 159 Form File an Informal Objection	*P.O. Box (If no Street Address):			
Reports	*City:			
Application Status Call Sign Search	*State (If Country is United States):			
Generic Search	*Zip Code (If Country is United States):			
Point Radius Search	Country (If not the United States):	·		
Miscellaneous	*E-mail Address:			
Get FRN ELS Notification Website				
User's Manual		Sava 8 Saatt		
Get Software		Save & Continue »		
FAQ			Le	ast Reviewed/Updated o

Exhibit 1-3: Program Experimental License Applicant Information (Form 442)

Please complete all required fields marked by '*'

The following fields appear on the form:

Field	Definition	
Name of Applicant (Compar	nv):	
Name of Applicant	Enter the full name of the applicant. For modification of existing licenses, this field is pre-filled.	
Mailing Address:		
Attention:	Enter the full name of the contact person. For modification of existing licenses, this field is pre-filled.	
Street Address	Enter the street address of the applicant. For modification of existing licenses, this field is pre-filled.	
P.O. BOX	If a post office box is provided, enter it into this field. For modification of existing licenses, this field is pre-filled.	
City	Enter the applicant's city in this field. For modification of existing licenses, this field is pre-filled.	
State	Enter the applicant's state in this field. For modification of existing licenses, this field is pre-filled.	
Zip/Postal Code	Enter the zip and/or postal code of the applicant in this field. For modification of existing licenses, this field is pre-filled.	
Country	If the address is located outside the United States of America, select the country name in this field.	

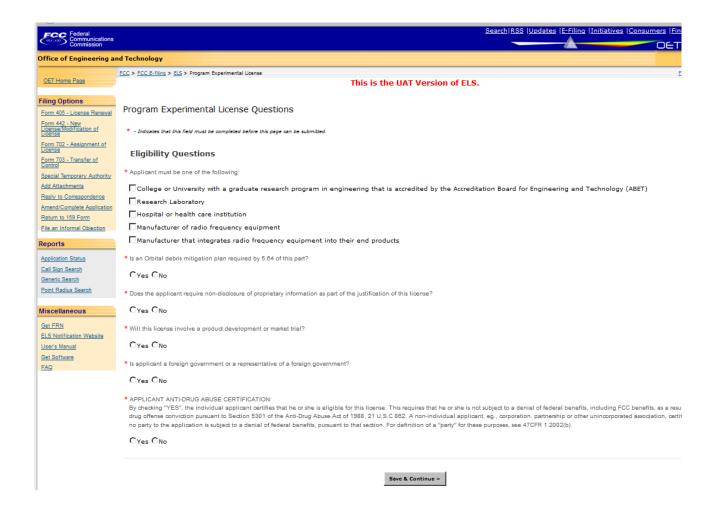


Exhibit 1-4: Program Experimental License Applicant Information (Form 442) Continued

Please complete all required fields marked by '*'

FCC Federal Communications Commission			Search RSS Updates E-Filing Initiat
Office of Engineering ar	nd Technology		
OET Home Page	FCC > FCC E-filing > ELS > Program Experimen	tal License This is the UAT Version of ELS.	
Filling Options Form 405 - License Renewal Form 442 - New License/Modification of License	Program Experimental Licer * - Indicates that this field must be complete		
Form 702 - Assignment of License Form 703 - Transfer of Control Special Temporary Authority Add Attachments Reply to Correspondence Amend/Complete Application Return to 159 Form	Do you intend to use any of the federa CYes CNo Do you intend to operate on commerci CYes CNo		
File an Informal Objection Reports	* Do you intend to operate on public saf	aty frequencies?	
Application Status Call Sign Search Generic Search Point Radius Search	Give the following information of per	son who can best handle inquiries pertaining to this application:	
Miscellaneous	* First Name: * Title:		
Get FRN ELS Notification Website User's Manual	* Phone Number:		
Get Software FAQ	* E-mail Address: * Insert a short description of the pu	rrpose of this application, or for modifications describe what is being modified:	
		(Maximum 255 characters) You have 255 characters left.	
		Save & Continue »	

Exhibit 1-5: Program Experimental License Applicant Information (Form 442) Continued

Please complete all required fields marked by '*'

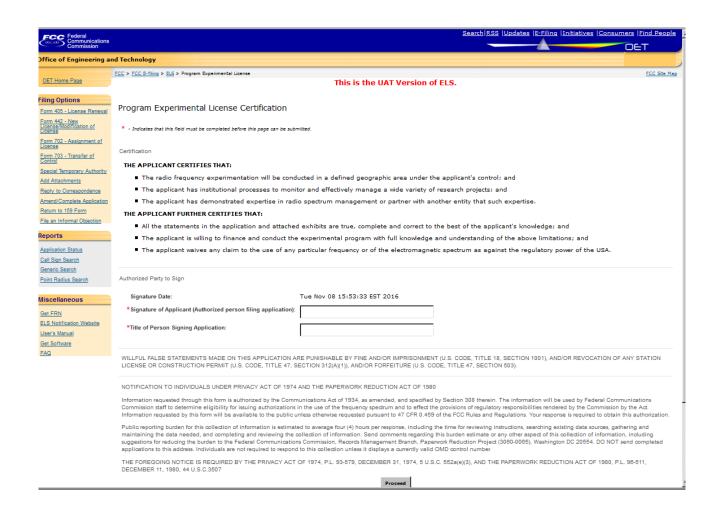


Exhibit 1-6: Program Experience License Certification Page

Please complete all required fields marked by '*'

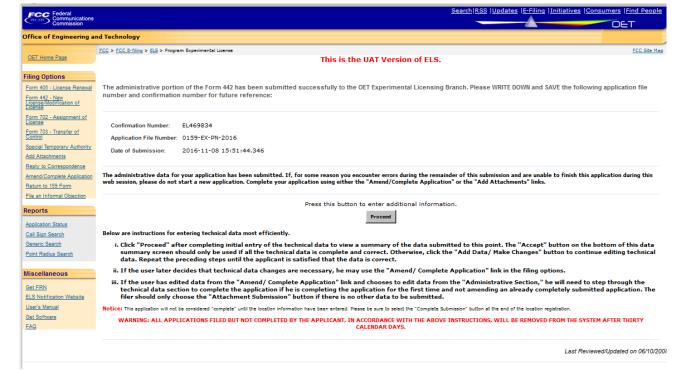


Exhibit 1-7: Program Experience License Confirmation Page

The application site will guide you to enter Technical Data next:

Experimental license location information page

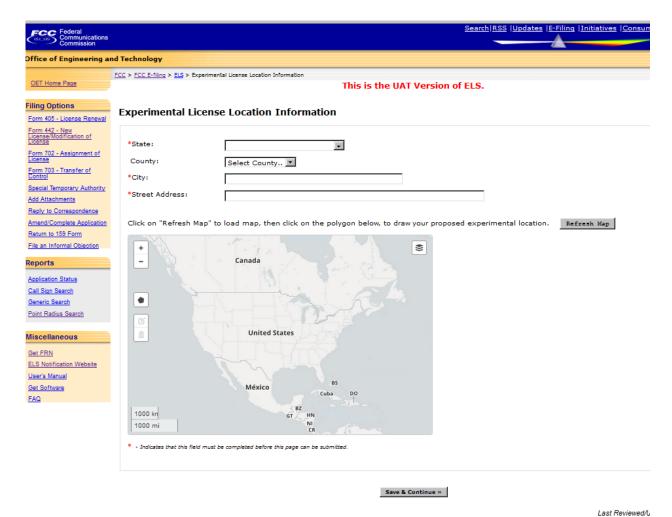


Exhibit 1-8: Program Experimental Location Information

- i. All fields with a * must be filled out
- ii. After filling out all the required fields click on the "Refresh Map" button.



- iii. Click the draw polygon button...
- iv. Using your mouse click along the area where the license will be located at. The last click should end at the first dot/point created/clicked.

4-9

- a. To edit the shape click on the edit layers button . Your shape will change color. Click on the white dot outside of the shape to expand or contract the size of the shape.
- v. Click the "Save & Continue" button to move to the next page.

When you're done with this page, you should see a graph similar to the one below, outlining the proximity of location.

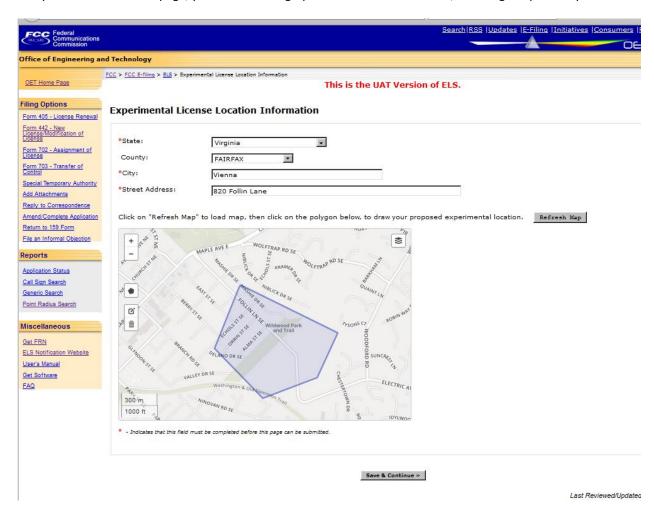


Exhibit 1-9: Program Experimental Location Information (completed)

When all required information is provided, and your application is completed, you'll be directed to a summary page. If all the information looks good, click on Accept. If changes are required, click on Add Data/Make Changes.

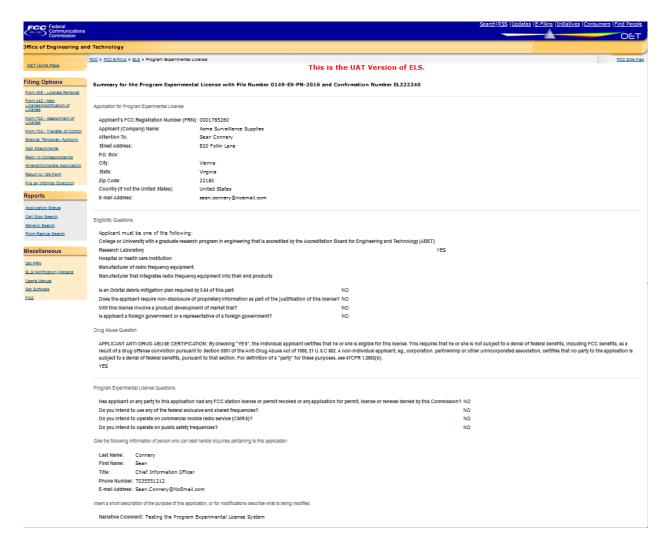


Exhibit 1-10: Summary page for Program Experimental License submission

Give the following information of person who can best handle inquiries pertaining to this application:

Last Name: Connery

Title: Chief Information Officer Phone Number: 7035551212

E-mall Address: Sean.Connery@NoEmail.com

insert a short description of the purpose of this application, or for modifications describe what is being modified.

Narrative Comment: Testing the Program Experimental License System

THE APPLICANT CERTIFIES THAT:

- The radio frequency experimentation will be conducted in a defined geographic area under the applicant's control; and
- The applicant has institutional processes to monitor and effectively manage a wide variety of research projects; and
- The applicant has demonstrated expertise in radio spectrum management or partner with another entity that such expertise.

THE APPLICANT FURTHER CERTIFIES THAT:

- All the statements in the application and attached exhibits are true, complete and correct to the best of the applicant's knowledge; and
- The applicant is willing to finance and conduct the experimental program with full knowledge and understanding of the above limitations; and
- The applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the USA.

Signature Date: 2016-11-01 12:00:28.713 Signature of Applicant (Authorized person filing application): Sean Connery Title of Person Signing Application: Chief Information Officer

WILLFUL FALSE STATEMENTS MADE ON THIS APPLICATION ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. TITLE 47, SECTION 312(A)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

NOTIFICATION TO INDIVIDUALS UNDER PRIVACY ACT OF 1974 AND THE PAPERWORK REDUCTION ACT OF 1980

Information requested through this form is authorized by the Communications Act of 1934, as amended, and specified by Section 308 therein. The information will be used by Federal Communications Commission staff to determine eligibility for issuing authorizations the frequency spectrum and to effect the provisions of regulatory responsibilities reneared by the Commission by the Act. Information requested by this form will be available to the public unless otherwise requested pursuant to 47 CFR 0.459 of the FCC Rules and Ri Your response is required to obtain this authorization.

Public reporting burden for this collection of information is estimated to average four (4) hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for recounting the burden to the Federal Communications Communicatio

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, PL. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, PL. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507

Location information

State: County: FAIRFAX City: Vienna Street Address: 820 Follin Lane Approximate Center of Operation
North Latitude: 38 ° 54 ' 15 " West Longitude: 77 ° 14 * 51 "

Accept Add Data/Make Changes

Exhibit 1-11: Summary page for Program Experimental License submission (continued)

On the next page, you may add any additional supporting documents. For detailed instructions, select "Click Here for Attachment Submission Instructions".

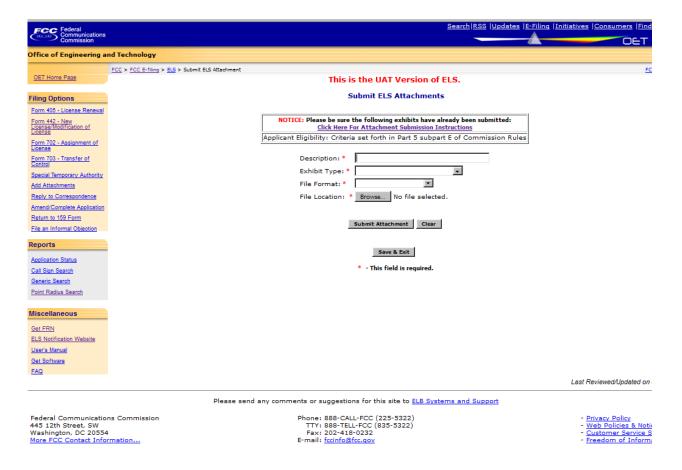


Exhibit 1-12: Program Experimental License Submit ELS Attachments

When submitted successfully, you'll see the following type of message: Search | RSS | Updates | E-Filing | Initiatives | Co FCC FE Office of Engineering and Technology FCC > FCC E-filing > ELS > ELS Set Attachment OET Home Page This is the UAT Version of ELS. Filing Options Form 405 - License Renewal Form 442 - New License/Modification of License In order to complete this process the ${\bf Complete \ Submission}$ button must be clicked. Complete Submission Form 703 - Transfer of Control Add More Attachments Special Temporary Authority Add Attachments **Upload Status** File Size File Description File Format (bytes) Reply to Correspondence 132017 Details Success Jpeg Amend/Complete Application Return to 159 Form Application Status Call Sign Search Generic Search Point Radius Search

Miscellaneous Get FRN ELS Notification Website User's Manual Get Software

Federal Communications Commission

Exhibit 1-13: Program Experimental License - ELS Attachments Successfully Submitted

Please send any comments or suggestions for this site to ELB Systems and Support

Phone: 888-CALL-FCC (225-5322)

Last Reviewed/Upd

- Privacy Polic

When you're ready to submit required fees, click on Complete Submission and you'll receive the following message, and be directed to the appropriate page.

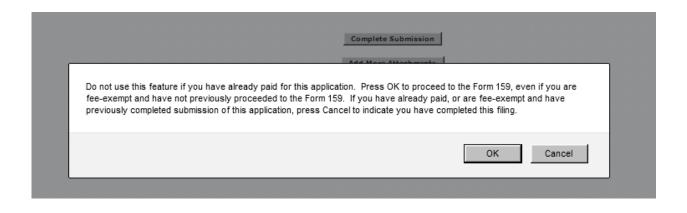


Exhibit 1-13: Last Step: Submit Payment for Program Experimental License